

OFFICE OF THE

COUNTY MEDICAL EXAMINER

5201 HARRY HINES BLVD. DALLAS, TEXAS 75235

Autopey Musbers NG3-356

Homes OCHAID, Les Harvey

Age: 29 Nace: Walte Sex: Male

Autopay date: 11-24-63, 2:65 P.M.

Coronars Judge Pierce McDride

Autopsy by: Earl F. Rose, M. D. Assistant: Sidney C. Stewart, M. D.

RETURNAL EXAMINATIONS

External examination reveals a 5 foot, 9 inch white male, the estimated weight is 150 pounds. Right is not present, slight cooling of the body. There is faint posterior mottling lividity.

Identification bands on the left wrist, the right wrist, the left great toe. The boad is excrimed. The bair is brown, clicitly vavy. Small expent of dried blood in the bair which has run from the hairline to the right and backward. Elight frontal balding. To the right of the middle over the forcherd is a 1/2 x 1/16 inch crusted superficial abrasica. The hairling, left temporal region, is a 1/16 inch very superficial abraded area. There is a left periorbital becatom which is purple in the central portion, falling at the margins to a faint lexen-yellow. Total diameter of this is 1 3/4 m 1/4 inch. The irides are grey-blue, the populs are equal at 8 ms. The solors and conjunctive are not remarkable. Poorly defined sear on the dersus of the nose which measures is a linch. There is black sectorial in the names. Midline, upper lip, terminating at the vermillion margin is a f inch pale scar. To the loft of the midling, the upper lip, is a 1/16 inch abrusion. The buccal cuvity is otherwise not reservable. Oral hydron to feir with some fillings. The tengue is not remarkable. The beard measures between 1 to 2 and. Exemination of the neet to main. At the upper end of the right stermocleid mestald over the okin is a transverse very superficiel 3/4 inch corated with some reddish entispate type of paint corrounding this. Hair distribution is normal. The public hair has been a great. The peaks is directed. The testes are descended. The abdomen to flat.

Over the left pectoral region, 15 inches from the top of the head and 8 3/5 inches to the left of the midline there is a 15 inch wound. The edges of this are pharp. Over the left chest is an oblique wound which originates 17 inches from the top of the head and runs forward, document toward the midline anteriorly measuring 75 inches and closed by 12 running black sucures. This wound goes inferior to the left nipple. Over the interal aspect of the left arm, 16 inches from the top of the head is a 3/4 x 3/8 inch wound. It goes into the subcutaneous tissue. 18 inches from the top of the head over the interal aspect anteriorly of the right arm there is a 1 x y inch wound which goes into the subcutaneous tissue. 21/2 inches from the top of the head originating alightly below the xiphoid running in the midline to above the public is a 10/2 inche anterior midline wound closed by 5 wire sutures. Above

the medial malleolus on the right side there is a 1 3/4 inch transverse cut-down incision. Cephalad to this is a transverse 1 3/4 inch superficial transverse incised wound. Above the left medial malleolus there is a 12 inch cut-down type of incised wound. To the left of the midline region of the second thoracic vertebra there is a very faint 3/8 inch bluich discolored area. In the right autocubital fossa is a very tiny needle puncture type of wound surrounded by bluish discolorstion. In the left antocubital force there are three small needle puncture type of wounds surrounded by bluish discoloration. The nails are executed. They are somewhat dirty although quite well cared for. No evidence of injury is noted. On the midportion dersum of the left hand, there is a poorly defined pale white oblique à inch scar. Over the volor aspect of the right wrist there is a transverse superficial & inch abresion. Volor aspect of the left wrist there is a transverse 1 3/4 inch slightly reised white sear. Modial aspect of the right know reddich very poorly defined 7/3 x 1/4 inch reddish discoloration. Over the left arm, below the deltoid there is a treasverce 9/8 x 3/4 inch semewhat puckered and irregular scar. A few strice along the lateral aspect of the thighs. Some of the hair of the chest has been shaved. In addition, to the left of the midline there is a round poorly defined round impression on the skin, the diameter of which is 2 inches. Over the medial aspect mid-dietal third of the left arm there is a if inch vertical scar with cross hetching.

23 inches from the top of the head and 3 3/8 inches to the left of the midline autoriorly and 10 3/4 inches to the left of the midline posteriorly, over the lover aspect of the left chest there is an entrance type of wound which measures $1/4 \times 5/16$ inch in disapter. This is surrounded by a contusion ring, the total disapters of the contusion ring are 3/8 of an inch.

22 inches from the top of the head and 9 3/4 inches to the right of the midline antoriorly and θ_0^2 inches to the right of the midline of the back there is a vertical 2 x 1 inch gapping wound. Posterior to this by $\frac{1}{2}$ inch there is a 3/4 x 3/8 inch irregular contused area.

INCISIONS: The standard "Y" thorocooklominal and intermetoid incisions are utilized. Perfecting the skin there is found to be a wound between the fourth and fifth rib which extends through the soft tissue and measures 6 inches in length. This conforms to the wound on the left clost. The incision is continued through the abdominal wound as well as the therecotory wound to the left of the midline of the chest.

SETOUS CAVITIES: Examination of the serous cavities is made. In the left plourel space there is in excess of the serous of the positional cavity there is in excess of 1000 cc. of blood. In the peritonnal cavity there is in excess of 1000 cc. of blood with clot formation. In addition, there is massive retroperitoneal bomorrhage. The omentum edjacent to the transverse colon and storach is hemorrhagic and irregularly torn.

The abdominal panniculus accoures 1 3/4 inches.

THE COURTE OF THE WOUND IS FOLLOWED. It is found to notch the undersurface of the seventh rib at the costochendral junction, this is surrounded by hemorrhage. In its course it notches the disphragmatic attachment in this region, however, the left lung is not penetrated. The course is found to go from left to right and backward. In its course it is found to strike the anterior edge of the splead and there is a cruciate lacoration of the splead and there is a cruciate lacoration of the splead and there is a cruciate lacoration of the splead answering approximately 1.5 x 2 cm.

The missile is found to prestrate the storach along the greater curvature of the body of the stomach, the penetration measuring 9 am. It exits from the stomach along the posterior wall, lesser curvature, 2 ca. distal to the cardiocsophageal junction. The penetration measures 8 ms. It pursues a course beckwards and to the right slightly couled to the coline axis and there is extensive henorrhage in this area. The enterior and right anterio-lateral aspect of the sorte is torn with the superior assenteric artery being severed. The right renal artery shows destruction and homorrhage along the cephalad portion. The right renal voin is torn and the tear involves the inferior vena cava, the dermal surface. It courses through the upper pole of the right kidney along the enterior surface counting a jegged and irregular laceration covering a dictance of 9 x 2 cm. with penetration into the calyces. It becomes peritonealized in the hepaterenal pouch and there is a jayred and irregular lacoration of the liver covering a dictance of 9.5 x 2 x 2 a From the liver it ponetrates the displaces posteriorly on the right side. It then passes edjacent to the lung in the pleural space and the right lung is not penetrated. The cleventh rib to the right of the midline is irregularly fractured and an exit type of wound in this region and in the soft tissue along the posterior exillary line right side there is an incised would and fragmentation of the rib.

NECK ORGANI: The nock organs are exemined. They are not recarriable. The hyoid is intact. He evidence of injury is noted. The thyroid gland is not remarkable grossly.

LUNGS: The traches and broach are not remarkable. The right lung is quite well screted. The left lung is atelectatic. The peribroachial tissue is not remarkable, however, there is becorriage in the pasterior medications.

MEANT: Examination of the right atrium as well as the right ventricle and a pulmonary extery above frothing bubbles. The epicandium is markedly congested with petochial becominged, more marked over the left ventricular portion. The heart veighs 330 cm. There are a few subcondendable distributed becomings. Along the anterior right ventricular curvace there is a single suture. This is in the opicardial fat. The right ventricle measures 2 to 3 mm., the left 1.2 to 1.3 mm. The valvular circumferences are as follows: sortic valve - 7 cm., mitral valve - 10.5 cm., tricuspid valve - 11.5 cm., and valuable valve - 7 cm. The corceasy estie are in the normal location. The coronary arteries are examined in situ, found to be this, delicate, of normal distribution and free of occlusions. There are left ventricular syccardial heaptriages.

LIVER: The liver weight 1260 ga. The proofration of the liver has previously been described.

CAMBIADGER & HILIARY THEE: Not recentedle.

PONTACAVAL DYSTEM: Exemination of the portacaval system to made. There is frothing blood in the purtacaval system. Extensive homorrhage is noted to surround this, particularly in the region of the parcress.

PANCHEAS: The pencrose is surrounded by hexerchage. The percuchyes of the pencrose is not pencroted and the ductal system is not remarkable.

CPHEN: The spleon weight 200 gr. The penetrotion of the spleon has proviously been described.

DIAPHRAGE: The penetrations of the disphrages have previously been described.

RETROFERITOREAL TIESUE: There is massive henorrhage.

GREAT VERSELS: The penetration of the north has previously been described. The sorth is otherwise smooth and electic. There is extensive perisortic hemorrhage which extends above the disphrage in the posterior mediastimal tissue.

KINETES: The kidneys weigh 450 gr. The destruction to the right kidney has previously been described. The expeule strips with slight difficulty. The cortical surfaces are smooth and pale. The corticomodullary junction is indistinct. The cortices measure 5 to 7 km. There is hemorrhage into the parenchyma with destruction of the right kidney as proviously described. The penetration of the calyces has also been described. About the polvis of the right kidney there is extensive becomings. The polvis and unctors are otherwise not remarkable. The bladder contains bloody urine. The prostate is greenly not remarkable.

ADMINIALE: The edrenals are both surrounded by hemorrhage, however, both are intact.

INTESTIGAL TRACT: The small and large bound are examined. They are free of penetrations. The appendix is identified. The large bound contains some formed stool. The penetrations of the stomach have proviously been described and there is blood in the stomach. The rugal pottern is not remarkable. The ducdenum is not remarkable

MINUS: The thyrus veighs approximately 15 gr., is quite fibrotic.

ECALP, CHARLAL CAVITY & IXEA: Not recordable. No evidence of injury is noted.

MAIN: The brain weight 1450 ga. The brain is symmetrical. The external surface of the brain is not remriable. Configuration is normal. Multiple sections through the brain are taken and full to reveal any abnormalities. The ventricular system is symmetrical. No abnormalities are encountered. The vescular system is not remriable and the vessels are thin and delicate. The culvarium is not remriable. The convical vertebra and educated are not remriable.

MICROSCOPIC:

Acrts: There is disruption with fresh hemorrhage. No inflammation or organization.

Heart: There are hemorrhages in the epicardial fat, mild interstitial edema and focal fragmentation of the muscle fibers.

Lung: Areas of stelectasis and focal alveolar homorrhagic extravasations.

Idver: Disruption with fresh hemorrhages, otherwise non-contributory.

Bowel: There are disruptions of the stomach with hemorrhages adjacent. The remainder of the bowel sections are non-contributory.

Spleen: There is disruption along one margin, otherwise non-contributory.

Thyroid: Non-contributory.

Pancreas: Non-contributory.

Gallbladder: Mon-contributory.

Prostate: Non-contributory.

Lymph Modes: Non-contributory.

Adrenals: There is extensive fresh hemorrhage adjacent, otherwise non-contributory.

Skin: Section through the entrance wound shows disruption with fresh hemorrhages. There is no organization or inflammation. Some amorphous debris and fibers in the depths of the wound.

Kidney: Sections show disruption of the right kidney with hemorrhages which are marked in the pelvic fat and perirenal tissue.

Central Nervous System: Multiple sections are examined and they are non-contributory

Propress:

Chest, left, genehot wound.

Penetration of the spleen, storach, sorts, kidney, liver and disphrage.

Massive retroperitoneal homorrhage.

Missive peritoneal homorrhage.

Right and left hemothorux.

Heart, left ventricular epicardial and myocardial homorrhages.

Atrium, right; ventricula, right; pulmonary artery, - air.

Lung, left, stelectasis.

Chest, left, thoracotomy.

Abdomen, laparetomy incision.

Ara, loft; arm, right; ankle, right; ankle, left - cut-down incisions.

Chest, right, incised wound.

Myo, left, periorbital homotoms.

Forehead and lip, abrasion.

Left wrist and left arm, scars.

CAUSE OF IMATEL

Henorrhage, secondary to gunshot wound of the chest.

Barl P. Rose, M. D.

DALLAS COUNTY HOSPITAL DISTRICT (Parkland Memorial Hospital)

Da ve	1/26/63
TOXICOLOGIC L REPORT	
Case of Lee Harvey Oswald Autopsy No.	NI.63-356
autopsy by Dr. Rose On 11/24/	63
Examined for Alcohol and barbiturate.	-
Organs submitted Blood (see also report on skin,	below).
RUSULTS OF AF ALYSIS:	,
Poisonous Gases	
Volatile Poisons	•
.cid-Ether soluble poisons	
.lkaline-Ether soluble poisons	
Ammonia-Ether or ammChloroform soluble poisons_	46
Metallic Poisons	*
Mineral acids and alkalies	40
Halogens and their salts	-
Salts of Oxy-acids	
Poisons isolated by special methods	4
REMARKS: Blood type - "A")

No nitrates were detected around the bullet hole in the specimen of skin and specimen of ligament submitted.

Toxicologist, Dallas County Hospital District

D.LL S SINT-COUNTY SAID IN.L INV. STIG.TION LABOURTOLY (Parkland Hemorial Hospital Dallas, Texas

Dit	TTMB.	TGX:	l B
BLOOD .	ац С -НО	<u>li</u>	<u>2001</u>

Case of _	ML63-356	···	Referred	by Medico	l Staff
				rkland Hospi	
Date	Time	AM.	Antiseptic	used	
Officers	, identifies	tion, etc.			
:					
Specimen	received fr	om:			
D:11:	ns i.D. Lock	: Box at	M Date	Ву	
I E.O.	Lab. Lock	Box at 1:	15 Fil. Date	11/25/63 By	W. Patterson
Cthe:	r (Describe)	: Morgue	lce box.	V .	
					
opecimen	transferred	to w	Poy_	erijadi er	_(Analyst).
TTHE 15%	1_M. Date	11/25/63	By1	1. Patterson	(MIRLIYSU).
pecimen	container:	Cne test t	mbe stopper	ced with rubl	er stopper.
T	•		-		
iniormat:	ion from:				
Analytica					· · · MA
აрест /x/ /n.	imen: Da Dlo Blood	te and time	of analysi	s_11/25/63_	2:20 Phi
// D7	orc prood				
	asma or seru		nalyst: M.	R. Ray	· · · · · · · · · · · · · · · · · · ·
v 4 _	ero-Greenber				
	2.82 U ₂	<u>= 2.78</u>	Calcul	ation:	
•		= 2.78			
B.	2.82 U av 2.86 ^S 1		Negati	ve for alcoh	ol.
R	2.86 ^S 2	= 0.19			
	2.85	= 0.19		-\$-	131
		/ Yes			,
Gas chrom	natogram	No No			
		Fig. 47 Q S	Tyl		

Result: Alcohol content Wegative.

Dallas City-County Criminal Investigation Laboratory